

PISTON RING COATING

ABSTRACT OF THE DISCLOSURE

A system and method for reducing microwelding of a piston ring installed in a circumferential groove of a piston, wherein the ring has at least one piston groove engaging surface which is coated with a polyaryletherketone polymer. This composition provides critical lubrication during the piston and piston ring break-in period and prevents localized high pressure, and high temperature areas that promote microwelding.

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